

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A gas reclaiming equipment, which is applied to a gas insulated equipment filled with mixed gas including an insulated gas which has for reclaiming SF₆ gas as an ingredient,~~ comprising:

a first filter for removing a decomposed gas and a foreign particulate substance from ~~said~~ a mixed gas containing SF₆ gas which is sent from ~~said~~ a gas insulated equipment;

a gas separation equipment configured to separate said SF₆ gas from said mixed gas to obtain a SF₆ concentrated mixed gas;

a gas liquefaction system for reclaiming said SF₆ concentrated mixed gas, wherein said gas liquefaction system liquefies said SF₆ gas of said SF₆ concentrated mixed gas by pressurizing said SF₆ concentrated mixed gas, wherein said gas separation equipment is provided between said gas insulated equipment and said gas liquefaction system;

a pump for sending said SF₆ concentrated mixed gas from said gas insulated equipment to said gas liquefaction system;

a first storage tank for accumulating ~~[[a]]~~ an SF₆ liquid obtained ~~with~~ by said gas liquefaction system; and

~~a line for returning a gas in the gas phase in said gas liquefaction system to an upstream side of said gas liquefaction system~~

a second storage tank storing a specified gas separated by said gas separation equipment, said second storage tank including an adsorbent to adsorb said SF₆ gas.

2. (Original) The gas reclaiming equipment according to claim 1, wherein said filter has an adsorbent of a chemisorption type which absorbs said decomposed gas.

3. (Currently Amended) A gas processing system, comprising: The
the gas reclaiming equipment according to claim 1; and
a gas insulated equipment providing the mixed gas to the gas reclaiming equipment, wherein said gas insulated equipment has an adsorbent having Zeolites with

approximately 5Å pore size and 10Å pore size, and having a ratio of said Zeolites wherein the 5Å pore size is more than 80wt% and said Zeolites with 10Å pore size is less than 20wt%.

4. (Currently Amended) [[A]] ~~The gas reclaiming equipment, which is applied to a gas insulated equipment filled with mixed gas including an insulated gas like SF₆ gas, of claim 1, further comprising:~~

~~a first filter for removing a decomposed gas and a foreign particulate substance from said mixed gas which is sent from said gas insulated equipment;~~

~~a gas liquefaction system for reclaiming said mixed gas, wherein said gas liquefaction system liquefies said SF₆ gas of said mixed by pressurizing said mixed gas;~~

~~a pump for sending said mixed gas from said gas insulated equipment to said gas liquefaction system;~~

~~a first storage tank for accumulating a SF₆ liquid obtained by said gas liquefaction system;~~

~~a gas separation equipment for separating said SF₆ gas from said mixed gas, and sending said SF₆ gas into said gas liquefaction system, said gas separation equipment provided between said gas insulated equipment and said gas liquefaction system; and~~

~~a buffer tank for storing said mixed gas, said buffer tank provided between said gas insulated equipment and said gas separation equipment.~~

5. (Currently Amended) The gas reclaiming equipment according to claim 4, wherein said buffer tank has an adsorbent comprising Zeolites with 5Å pore size and 10Å pore size.

6. (Original) The gas reclaiming equipment according to claim 4, wherein said buffer tank stores said mixed gas when said mixed gas is reclaimed under reduced pressure.

7. (Original) The gas reclaiming equipment according to claim 4, wherein said gas separation equipment includes pressure swing adsorption including an adsorbent with selective adsorption.

8. (Original) The gas reclaiming equipment according to claim 4, wherein said gas separation equipment has a second filter with a permeable membrane.

9. (Original) The gas reclaiming equipment according to claim 4, wherein said gas separation equipment has plural separating units to separate said SF₆ gas from said mixed gas.

10. (Canceled).

11. (Original) The gas reclaiming equipment according to claim 4, wherein said filter has an adsorbent to adsorb said decomposed gas.

12. (Currently Amended) The gas reclaiming equipment according to claim 4, wherein said gas separation equipment includes an adsorbent having Zeolites with approximately 5Å pore size and 10Å pore size, and wherein a ratio of said Zeolites with 5Å pore size is more than 80wt% and said Zeolites with 10Å pore size is less than 20wt%.

13. (Currently Amended) A method of reclaiming insulating gas from a mixed gas of a gas insulated equipment comprising:

flowing the mixed gas through a filter to remove decomposed gas and foreign particulate substances;

separating said insulating gas from said mixed gas in a gas separating unit to obtain concentrated insulating mixed gas and sending said concentrated insulating mixed gas to a gas liquefaction system;

~~flowing the mixed gas to a gas liquefaction system;~~

~~liquefying~~ pressurizing the concentrated insulating mixed gas to produce a liquid; and

accumulating the liquid in a first storage tank;

storing a specified gas separated in said separating step in a second storage tank, said second storage tank including an adsorbent to adsorb SF₆ gas; and

returning gas in the gas phase from the gas liquefaction system to an upstream side of the gas liquefaction system.

14. (Original) The method of claim 13, further comprising chemisorbing decomposed gas in said filter.

15. (Canceled).

16. (Currently Amended) The method of claim [15] 13, wherein said gas separation unit includes an adsorbent having Zeolites with approximately 5Å pore size and 10Å pore size, and wherein a ratio of said Zeolites with 5Å size is more than 80wt% and said Zeolites with 10Å pore size is less than 20wt%.

17. (Canceled).

18. (Currently Amended) ~~The method of claim 17, A method of reclaiming insulating gas from a mixed gas of a gas insulated equipment comprising:~~
flowing the mixed gas though a filter to remove decomposed gas and foreign particulate substances;
flowing said mixed gas through a gas separating unit to obtain concentrated insulating mixed gas and a specified gas and sending said concentrated insulating mixed gas to a gas liquefaction system;
pressurizing an SF₆ gas of the concentrated insulating mixed gas; and
storing said specified gas in a storage tank, wherein said storage tank includes an adsorbent to adsorb decomposed gas.

19. (Currently Amended) ~~The method of claim 17, A method of reclaiming insulating gas from a mixed gas of a gas insulated equipment comprising:~~
flowing the mixed gas though a filter to remove decomposed gas and foreign particulate substances;

flowing said mixed gas through a gas separating unit to obtain concentrated insulating mixed gas and a specified gas and sending said concentrated insulating mixed gas to a gas liquefaction system;

pressurizing an SF₆ gas of the concentrated insulating mixed gas; and
storing said specified gas in a storage tank, wherein said storage tank includes an adsorbent to adsorb SF₆ gas.

20. (Original) The method of claim 13, further comprising flowing the mixed gas through a buffer tank.

21. (Currently Amended) The method of claim 20, wherein said buffer tank includes an adsorbent having Zeolites with approximately 5Å pore size and 10Å pore size, and wherein a ratio of said Zeolites with 5Å pore size is more than 80wt% and said Zeolites with 10Å pore size is less than 20wt%.

22. (New) The gas reclaiming equipment according to claim 1, further comprising a line for returning a specified gas in the gas phase in said gas liquefaction system to an upstream side of said gas liquefaction system.

23. (New) The gas reclaiming equipment according to claim 4, further comprising a line for returning a specified gas in the gas phase in said gas liquefaction system to an upstream side of said gas liquefaction system.

24. (New) The gas reclaiming equipment according to claim 4, wherein said gas separation equipment includes an adsorbent having Zeolites with approximately 5Å pore size.

25. (New) A gas reclaiming equipment, for reclaiming SF₆ gas, comprising:

a first filter for removing a decomposed gas and a foreign particulate substance from a mixed gas containing SF₆ gas which is sent from a gas insulated equipment;

a gas separation equipment that is configured to separate said SF₆ gas from said mixed gas to obtain a SF₆ concentrated mixed gas;

a gas liquefaction system for reclaiming said SF₆ concentrated mixed gas, wherein said gas liquefaction system liquefies said SF₆ gas of said SF₆ concentrated mixed gas by pressurizing said SF₆ concentrated mixed gas, wherein said gas separation equipment is provided between said gas insulated equipment and said gas liquefaction system;

a pump for sending said SF₆ concentrated mixed gas from said gas insulated equipment to said gas liquefaction system; and

a storage tank for accumulating an SF₆ liquid obtained by said gas liquefaction system,

wherein said gas separation equipment includes an adsorbent having Zeolites with approximately 5Å pore size and 10Å pore size, and wherein a ratio of said Zeolites with 5Å pore size is more than 80wt% and said Zeolites with 10Å pore size is less than 20wt%.

26. (New) The gas reclaiming equipment according to claim 1, wherein said second storage tank has a cylindrical shape.